

Practical 5

Aim: Displaying data from Multiple Tables (join)

(1) Give details of customers ANIL.

Query : select *from deposit where cname='anil'

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

☒ Autocommit Display 10

```
select *from deposit where cname='anil'
```

Results Explain Describe Saved SQL History

A_NO	CNAME	BNAME	AMOUNT	A_DATE
101	anil	andheri	7000	01-JAN-06

1 rows returned in 0.00 seconds [CSV Export](#)

(2) Give name of customer who are borrowers and depositors and having living city nagpur

Query : select customer.cname from customer inner join borrow on borrow.cname=customer.cname inner join deposit on deposit.cname=customer.cname where city ='NAGPUR'

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

☒ Autocommit Display 10 Save Run

```
select customer.cname from customer inner join borrow on borrow.cname=customer.cname inner join deposit on deposit.cname=customer.cname where city ='NAGPUR'
```

Results Explain Describe Saved SQL History

no data found

(3) Give city as their city name of customers having same living branch.

Query : select city as "city_name" from deposit natural join borrow natural join customer where bname=bname;

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

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```
select city as "city_name" from deposit natural join borrow natural join customer where bname=bname;
```

Results Explain Describe Saved SQL History

no data found

(4) Write a query to display the last name, department number, and department name for all employees.

Query : select l_name,dept_no,dept_name from employee

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

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```
select l_name,dept_no,dept_name from employee
```

Results Explain Describe Saved SQL History

L_NAME	DEPT_NO	DEPT_NAME
shah	10	machine learning
gupta	25	data science
wales	20	machine learning
sharma	10	virtual reality
patel	10	big data analytics
joseph	10	big data analytics
jha	30	artificial intelligence

7 rows returned in 0.00 seconds [CSV Export](#)

(5) Create a unique listing of all jobs that are in department 30. Include the location of the department in the output

Query : select job.job_id from job inner join employee on employee.job_id=job.job_id and dept_no=30

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

☒ Autocommit Display 10

```
select job.job_id from job inner join employee on employee.job_id=job.job_id and dept_no=30;
```

Results Explain Describe Saved SQL History

JOB_ID
it_prog

1 rows returned in 0.02 seconds [CSV Export](#)

(6) Write a query to display the employee's name, department number, and department name for all employees who work in NEW YORK.

Query : select emp_name,dept_no,dept_name from employee where location='new york'

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

☒ Autocommit Display 10

```
select emp_name,dept_no,dept_name from employee where location='new york'
```

Results Explain Describe Saved SQL History

EMP_NAME	DEPT_NO	DEPT_NAME
anamika	30	artificial intelligence

1 rows returned in 0.00 seconds [CSV Export](#)

(7) Display the employee's last name and employee number along with their manager's last name and manager number. Label the columns Employee, Emp#, Manager, and Mgr#, respectively.

Query : select employee.l_name as EMP#,employee.emp_no,employee.job_id as job_info,job.job_title AS JOB# from employee left outer join job on employee.job_id=job.job_id;

Output:

User: 22DCE006

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
select employee.l_name as EMP#,employee.emp_no,employee.job_id as job_info,job.job_title AS JOB# from employee left outer join job on employee.job_id=job.job_id;
```

Results Explain Describe Saved SQL History

EMP#	EMP_NO	JOB_INFO	JOB#
jha	107	it_prog	programmer
wales	103	mk_mgr	marketing manager
shah	101	fi_mgr	finance manager
joseph	106	fi_acc	account
gupta	102	lec	lecturer
patel	105	comp_op	computer operator
sharma	104	comp_op	computer operator

7 rows returned in 0.00 seconds [CSV Export](#)

(8) Create a query to display the name and hire date of any employee hired after employee "smith".

Query : select emp_name||' '|| hiredate from employee where hiredate>(select hiredate from employee where emp_name='smith')

Output:

User: 22DCE006

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
select emp_name||' '|| hiredate from employee where hiredate>(select hiredate from employee where emp_name='smith')
select *from employee
```

Results Explain Describe Saved SQL History

EMP_NAME ' ' HIREDATE
aman 02-OCT-97
anita 01-JAN-98
sneha 26-SEP-97
anamika 15-JUL-97

4 rows returned in 0.00 seconds [CSV Export](#)

Conclusion: From this practical I learned about different SQL commands that can be used for data manipulation and join SQL functions which are useful for getting output by combining multiple tables.

Staff Signature:

Grade:

Remarks by the Staff: